

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method for transmitting data in a telecommunication system ~~including that includes~~ at least a first transceiver and a second transceiver linked together by means of at least one communication channel, at least one of ~~which the~~ transceivers being mobile, ~~which the method includes the following steps comprising:~~
a ~~spreading step for~~ spreading said data over a plurality of components~~[[,]]; and~~
an equalization step ~~in the course of which~~ of multiplying each of the components resulting from the spreading step ~~is multiplied~~ by a corresponding predetermined equalization value representative of communication conditions within the communication channel,
~~method characterized in that wherein~~ at least one predetermined equalization value is ~~also representative of~~ determined so as to account for a Doppler effect resulting from a movement of the mobile transceiver, which ~~[[and]] adversely affecting affects~~ the communication conditions within the communication channel, wherein each predetermined equalization value is calculated using an equation that includes a parameter representative of a noise level in said communication channel and an additional noise parameter representative of said Doppler effect.

2. (Cancelled)

3. (Currently Amended) ~~[[A]]~~ The method as claimed in claim 1 ~~2, in which, wherein~~ the communication conditions within the communication channel ~~being modeled are~~ modeled by means of a study of the effects of said conditions on at least one incoming signal previously received by the mobile transceiver through said communication channel~~[[,]]; and~~

the additional noise parameter representative of said Doppler effect features includes a variance ~~intended to increase~~ that increases with an amount of time elapsed since said incoming signal has been received by the mobile transceiver.

4. (Currently Amended) [[A]] The method as claimed in claim 1, ~~in which, wherein~~ the communication conditions within the communication channel ~~being modeled are~~ modeled by means of a study of the effects of said conditions on at least one incoming signal previously received by the mobile transceiver through said communication channel~~[[,]]; and~~

the additional noise parameter representative of said Doppler effect features includes a constant variance whose value has been averaged over a time interval between two successive incoming signals.

5. (Currently Amended) [[A]] The method as claimed in claim 1, ~~in which wherein~~ the equalization step is ~~intended to be carried out~~ performed by the mobile transceiver on components of a signal ~~intended~~ to be transmitted by said mobile transceiver.

6. (Currently Amended) [[A]] The method as claimed claim 1, ~~in which wherein~~ the equalization step is ~~intended to be carried out~~ performed by the mobile transceiver on components of a signal received by said mobile transceiver.

7. (Currently Amended) A telecommunication system including at least a first transceiver and a second transceiver linked together by means of at least one communication channel, at least one of ~~which~~ the transceivers being mobile, ~~which system includes the~~ system comprising:

[[.]]spreading means for spreading data to be transmitted through said communication channel over a plurality of components[[.]]; and

[[.]]equalization means ~~intended to multiply~~ for multiplying each of the components outputted by the spreading means by a corresponding predetermined equalization value representative of communication conditions within the communication channel,

wherein ~~telecommunication system characterized in that~~ at least one predetermined equalization value is ~~also representative of~~ determined so as to account for a Doppler effect resulting from a movement of the mobile transceiver, which [[and]] ~~adversely affecting~~ affects the communication conditions within the communication channel.

8. (Currently Amended) [[A]] The telecommunication system as claimed in claim 7, ~~in which,~~ wherein each predetermined equalization value ~~including is determined based on a~~ parameter representative of a noise level in said communication channel[[.]] and ~~said predetermined equalization value further includes~~ an additional noise parameter representative of said Doppler effect.

9. (Currently Amended) [[A]] The telecommunication system as claimed in claim 8, ~~in which,~~ wherein the communication conditions within the communication channel ~~being modeled~~ are modeled by means of a study of the effects of said conditions on at least one incoming signal previously received by the mobile transceiver through said communication channel[[.]]; and

the additional noise parameter representative of said Doppler effect ~~features~~ includes a variance ~~intended to increase~~ that increases with an amount of time elapsed since said incoming signal has been received by the mobile transceiver.

10. (Currently Amended) ~~[[A]]~~ The telecommunication system as claimed in claim 8, ~~in which,~~ wherein the communication conditions within the communication channel ~~being modeled~~ are modeled by means of a study of the effects of said conditions on at least one incoming signal previously received by the mobile transceiver through said communication channel~~[[,]]; and~~

the additional noise parameter representative of said Doppler effect ~~features~~ includes a constant variance whose value has been averaged over a time interval between two successive incoming signals.

11. (Currently Amended) A mobile transceiver to be included in a telecommunication system as claimed in claim 7, ~~in which mobile transceiver~~ wherein the equalization means are arranged in the mobile transceiver upstream of a transmitting stage, and ~~intended are~~ configured to process components of a signal to be transmitted by said transmitting stage.

12. (Currently Amended) A mobile transceiver to be included in a telecommunication system as claimed in claim 7, ~~in which mobile transceiver~~ wherein the equalization means are arranged in the mobile transceiver downstream of a receiving stage, and ~~intended are~~ configured to process components of a signal received by said receiving stage.

13-14. (Canceled)